

CLAIMS

What is claimed is:

1. A collapsible canopy comprise a covering and a framework that is characterized in that covering [1] is put on collapsible framework [2], framework [2] includes a cross hinge [3], center members [4], U-shaped slide brackets [5], U-shaped slide brackets [6], side members [7], cantilever members [8], upside hinges [9], downside hinges [10], scissors frames [11], supporting members [12], springs [13], and holes [14];
5 each side of said framework [2] includes collapsible cross beam comprising a plurality of scissors frames [11], each scissors frame comprises cross pieces [8] hinge connected to each other in the midway, two ends of each scissors frame [11] are respectively connected to two corresponding ends of the
10 other scissors frame [11] of the same side by hinges, the other two ends of each scissors frame [11] are respectively connected to the two corresponding ends of the scissors frame [11] on the abutting side by means of hinge connection, thus forming two flexion points, each of the four supporting members passes
15 through the downside hinge [10] thereof to form a sliding fit construction, the top end of each supporting member is provided with upside hinge [9] in a fixed fashion, center members [4], side members [7], and cantilever members [8] of the framework [2] are connected to each other by slide brackets sets composed
20 of U-shaped slide brackets [5] and [6], the other side of each center member [4] is connected to cross hinge [3], the other side of each side member [7] is connected to upside hinge [9], and the other side of each cantilever member [8] is connected
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to downside hinge [10] by means of hinge connection.

2. Said collapsible canopy according to claim 1 that is characterized in that the open end of the U-shaped slide bracket [6] and the cantilever member [8] are connected to the center member [4] that passes through the bottom space of another slide bracket [5] by means of hinge connection, side member [7] passing through the bottom space of slide bracket [6] connected to the open end of another slide bracket [5] by means of hinge connection.

10 3. Said collapsible canopy according to claim 1 that is characterized in that each of the four right angled branches of said cross hinge [3] is provided with a hinge hole [31]

4. Said collapsible canopy according to claim 1 that is characterized in that the support members [12] are made of hollow tubes, and when the framework [2] is extended, the protruding end of spring [13] provided in the hollow support member [12] where a downside hinge [10] is provided passes through the wall of the hollow support member [12] and is received by the hole [14] on the downside hinge [10].

15 5. Said collapsible canopy according to claim 1 or claim 4 that is characterized in that the lower end of each support member [12] is provided with a telescopic tube to raise the height of the canopy.

20 6. Said collapsible canopy according to claim 1 that is characterized in that the cantilever support [8] can be of various sizes according to different shapes of the roof structure of the collapsible canopy.

25 7. Said collapsible canopy according to claim 1 that is

characterized in that said scissors frames [11] comprise two scissors frames [11] provided at four sides of the framework.

8. Said collapsible canopy according to claim 1 or claim 2 that is characterized in that said slide bracket [5] and [6] are of a U-shaped structure.

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